

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-141045  
 (43)Date of publication of application : 25.05.2001

(51)Int.CI.

F16H 61/06  
 // F16H 59:42  
 F16H 59:68  
 F16H 59:72

(21)Application number : 11-325780

(22)Date of filing : 16.11.1999

(71)Applicant : KOMATSU LTD

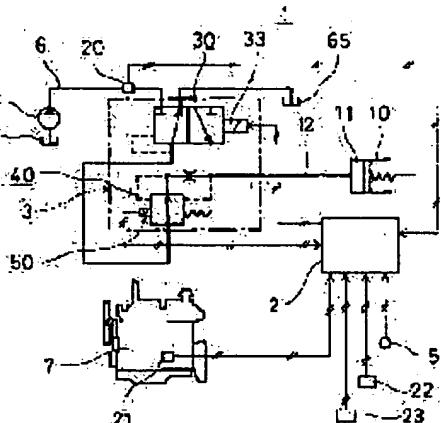
(72)Inventor : SUENAGA AKIRA  
 KUZE TAKASHI  
 SHIBATA AKIRA

## (54) CLUTCH CONTROL DEVICE FOR TRANSMISSION

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a clutch control device that does not provide a sense of incongruity to an operator during time lag of clutch engagement even at a shift time just after an engine is started from a vehicle parking state.

**SOLUTION:** The clutch control device of a transmission comprises a hydraulic clutch in which a pressure oil from a hydraulic pump is supplied to a plurality of clutch chambers corresponding to a speed stage through a clutch hydraulic control valve and a conduit corresponding to each of the plurality of clutch chambers, the clutches are engaged, and power from the engine is transmitted through a selected speed stage, and a controller for outputting a control signal to the clutch hydraulic control valve corresponding to the selected speed stage at shifting. The controller outputs a spare trigger signal for filling oil into each conduit to each clutch hydraulic control valve when the engine is started.



## LEGAL STATUS

[Date of request for examination] 07.09.2005

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]